

# CAROLINE CHIU

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<b>Skills</b>	Microsoft Office (Access, Excel, Word, PowerPoint, Publisher, Outlook) MS Query: database system development STATA 11: statistical analysis, regression Databases: Euromonitor, Mintel Global New Product Database, CATSNET Statistics, Statistics Canada, World Trade Organization (WTO), Food and Agriculture Organization (FAO) Languages: English, Cantonese, Mandarin (fluent) French (conversational)	
<b>Education</b>	<b>Kwantlen Polytechnic University, B.C</b> Richmond Farm School	<b>February 2015 – Present</b>
	<b>University of British Columbia, B.C</b> Master of Food and Resource Economics (MFRE) B.Sc in Food Nutrition and Health	<b>September 2011 – September 2012</b> <b>September 2007 – May 2011</b>
<b>Work Experience</b>	<b>Kwantlen Polytechnic University (Richmond, B.C)</b> <b><i>Institute for Sustainable Food Systems</i></b> <i>Research Associate (Economics)</i>	<b>June 2013 – Present</b>
	<ul style="list-style-type: none"><li>• Wrote a business plan with detailed market analysis and financial overview for a working and teaching farm for Tr'ondëk Hwëch'in First Nations in Dawson</li><li>• Designed and facilitated surveys with farmers in Yukon, tabulated and analyzed results</li><li>• Demonstrated research skills in literature research, data collection and data analysis</li><li>• Developed agriculture enterprise budgets for 26 crops and livestock, facilitated focus groups for data collection</li><li>• Constructed economic quantitative and qualitative reports of the agriculture sector</li><li>• Developed a methodology for measuring the economic impacts on income and job generation by using input-output multiplier tables</li></ul>	
	<b>B.C. Ministry of Agriculture (Victoria, B.C)</b> <b><i>Department of Market Development and Promotions</i></b> <i>Research Officer (International Marketing Unit)</i>	<b>May 2012 – April 2013</b>
	<ul style="list-style-type: none"><li>• Constructed several market analysis reports of BC foods</li><li>• Conducted further market research through talking with industry specialists</li><li>• Assisted in the preparation of presentation materials for the Minister's global trade missions</li><li>• Displayed communication skills as the B.C. representative for cross-province meetings</li></ul> <i>Intern (Statistics Unit)</i> <ul style="list-style-type: none"><li>• Analyzed data from the 2011 Census of Agriculture and constructed summary reports</li><li>• Strengthened awareness of current agricultural issues, policy implications and future marketing strategies for B.C. foods</li><li>• Constructed a cost-benefit analysis framework for an agroforestry project in Kelowna: performed literature reviews; created a working spreadsheet framework, constructed a qualitative analysis for future monitoring and evaluation</li></ul>	

<b>Research Experience</b>	<b>University of British Columbia</b> <i>Student</i> Project: Econometrics research analysis on whether there is a higher tendency of impaired driving in rural areas compared to urban areas <ul style="list-style-type: none"> <li>• Collected related data from professional sources to create a selection of relevant variables</li> <li>• Developed a hypothesis and a comprehensive econometric model to test the hypothesis</li> <li>• Familiarized with STATA commands, ran regressions and interpreted the data results</li> <li>• Made qualitative speculations through realizing the limitations of my model</li> </ul> Project: Economic analysis on the implications of a free trade agreement (FTA) between Canada and Morocco in pulse trade <ul style="list-style-type: none"> <li>• Constructed a comprehensive quantitative analysis by constructing a demand and supply graph utilizing a price at a point in time and the elasticity</li> <li>• Collected data on prices, production quantity, tariff rates from WTO and FAO</li> <li>• Evaluated the implications on price and quantity by removing the tariff barriers</li> <li>• Qualitative analysis on how this FTA would affect other big players in the trade relationship</li> </ul>	<b>September 2011 – April 2012</b>
<b>Other Experience</b>	<b>Rootdown Organics Farm (Pemberton, B.C)</b> <i>Volunteer Farmer</i> <ul style="list-style-type: none"> <li>• Assisted in everyday tasks at the farm including: seeding, planting, harvesting, packaging</li> <li>• Gained knowledge about the business aspect of running a farm operation</li> </ul> <b>Tickets.com (Vancouver Winter Olympics)</b> <i>Ticket Seller</i> <ul style="list-style-type: none"> <li>• Coordinated with several departments with effective communication and teamwork</li> <li>• Interacted with customers of different ethnicity displaying my wide range of language skills</li> </ul>	<b>June 2014</b>  <b>February 2010</b>

## Publications

Aferworki, E., W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia Small-Scale Farm Enterprise Budget: Broccoli*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-001.  
<http://www.kpu.ca/sites/default/files/Faculty%20of%20Science%20%26%20Horticulture/ISH/Broccoli.pdf>

Aferworki, E. W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia Small-Scale Farm Enterprise Budget: Brussel Sprout*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-002.  
<http://www.kpu.ca/sites/default/files/Faculty%20of%20Science%20%26%20Horticulture/ISH/Brussel%20Sprouts.pdf>

Aferworki, E. W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia Small-Scale Farm Enterprise Budget: Cabbage*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-003.  
<http://www.kpu.ca/sites/default/files/Faculty%20of%20Science%20%26%20Horticulture/ISH/Cabbage.pdf>

Aferworki, E. W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia Small-Scale Farm Enterprise Budget: Kale*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-004.  
<http://www.kpu.ca/sites/default/files/Faculty%20of%20Science%20%26%20Horticulture/ISH/Kale.pdf>

Aferworki, E. W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia Small-Scale Farm Enterprise Budget: High Tunnel Cucumber*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-005.  
<http://www.kpu.ca/sites/default/files/Faculty%20of%20Science%20%26%20Horticulture/ISH/Cucumber%20%28high%20tunnel%29.pdf>

Aferworki, E. W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia Small-Scale Farm Enterprise Budget: Fresh Market Bean*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-006.  
<http://www.kpu.ca/sites/default/files/Faculty%20of%20Science%20%26%20Horticulture/ISH/Fresh%20Market%20Beans%20%28Bush%20Bean%29.pdf>

Aferworki, E. W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia Small-Scale Farm Enterprise Budget: Winter Squash*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-007.  
<http://www.kpu.ca/sites/default/files/Faculty%20of%20Science%20%26%20Horticulture/ISH/Winter%20Squash.pdf>

Aferworki, E. W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia Small-Scale Farm Enterprise Budget: Zucchini*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-008.  
<http://www.kpu.ca/sites/default/files/Faculty%20of%20Science%20%26%20Horticulture/ISH/Zucchini.pdf>

Aferworki, E. W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia Small-Scale Farm Enterprise Budget: Bell Pepper*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-009.  
<http://www.kpu.ca/sites/default/files/Faculty%20of%20Science%20%26%20Horticulture/ISH/Bell%20Pepper.pdf>

Aferworki, E. W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia Small-Scale Farm Enterprise Budget: Garlic*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-010.  
<http://www.kpu.ca/sites/default/files/Faculty%20of%20Science%20%26%20Horticulture/ISH/Garlic.pdf>

Aferworki, E. W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia Small-Scale Farm Enterprise Budget: Tomato*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-011.  
<http://www.kpu.ca/sites/default/files/Faculty%20of%20Science%20%26%20Horticulture/ISH/Tomato.pdf>

Aferworki, E. W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia Small-Scale Farm Enterprise Budget: Yellow Onion*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-012.  
<http://www.kpu.ca/sites/default/files/Faculty%20of%20Science%20%26%20Horticulture/ISH/Yellow%20Onion.pdf>

Aferworki, E. W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia Small-Scale Farm Enterprise Budget: Beet*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-013.  
<http://www.kpu.ca/sites/default/files/Faculty%20of%20Science%20%26%20Horticulture/ISH/Beet.pdf>

Aferworki, E. W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia Small-Scale Farm Enterprise Budget: Carrot*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-014.  
<http://www.kpu.ca/sites/default/files/Faculty%20of%20Science%20%26%20Horticulture/ISH/Carrot.pdf>

Aferworki, E. W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia Small-Scale Farm Enterprise Budget: Potato*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-015.  
<http://www.kpu.ca/sites/default/files/Faculty%20of%20Science%20%26%20Horticulture/ISH/Potato.pdf>

Aferworki, E. W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia Small-Scale Farm Enterprise Budget: Turnip*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-016.  
<http://www.kpu.ca/sites/default/files/Faculty%20of%20Science%20%26%20Horticulture/ISH/Turnip.pdf>

Aferworki, E. W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia Small-Scale Farm Enterprise Budget: Bok Choy*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-017.

<http://www.kpu.ca/sites/default/files/Faculty%20of%20Science%20%26%20Horticulture/ISH/Bok%20Choy.pdf>

Aferworki, E. W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia Small-Scale Farm Enterprise Budget: Lettuce*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-018.

<http://www.kpu.ca/sites/default/files/Faculty%20of%20Science%20%26%20Horticulture/ISH/Lettuce.pdf>

Aferworki, E. W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia Small-Scale Farm Enterprise Budget: Radish*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-019.

<http://www.kpu.ca/sites/default/files/Radish.pdf>

Aferworki, E. W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia Small-Scale Farm Enterprise Budget: Spinach*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-020.

<http://www.kpu.ca/sites/default/files/Faculty%20of%20Science%20%26%20Horticulture/ISH/Spinach.pdf>

Aferworki, E. W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia Small-Scale Farm Enterprise Budget: Goat meat*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-021.

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Aferworki, E. W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia Small-Scale Farm Enterprise Budget: Honey Bee*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-022.

<http://www.kpu.ca/sites/default/files/Faculty%20of%20Science%20%26%20Horticulture/Richmond%20Farm%20School/Honeybee.pdf>

Aferworki, E. W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia Small-Scale Farm Enterprise Budget: Lamb*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-023.

<http://www.kpu.ca/sites/default/files/Faculty%20of%20Science%20%26%20Horticulture/Richmond%20Farm%20School/Lamb.pdf>

Aferworki, E. W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia Small-Scale Farm Enterprise Budget: Pork*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-024.

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Aferworki, E. W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Southwest British Columbia Small-Scale Farm Enterprise Budget: Hop*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-025.

<http://www.kpu.ca/sites/default/files/Faculty%20of%20Science%20%26%20Horticulture/Richmond%20Farm%20School/Hops.pdf>

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<http://www.kpu.ca/sites/default/files/Faculty%20of%20Science%20%26%20Horticulture/ISH/Rhubarb.pdf>

Aferworki, E. W. Polasub, C. Chiu, C. Dorward, K. Mullinix. 2015. *Enterprise Budget User Guide*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University. Technical Bulletin 2015-27.

<http://www.kpu.ca/sites/default/files/Faculty%20of%20Science%20%26%20Horticulture/Richmond%20Farm%20School/Enterprise%20Budget%20Users%20Guide.pdf>

Chiu, C. and Polasub, W. 2014. *Economics of Southwest British Columbia Food Systems 1: Overview of Farming Operations*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University.

Chiu, C. and Polasub, W. 2014. *Economics of Southwest British Columbia Food Systems 2: Additional Commentary on Farm Finance and Employment..* Institute for Sustainable Food Systems, Kwantlen Polytechnic University.

Chiu, C., Dorward, C., Feeney, C., Harris, G., Kissinger, M., Mullinix, K., Polasub, W., Rallings, A., Smukler, S., Sussmann, C. 2015. *Yukon Food System Design and Planning Project: State of the Yukon Food System in 2011/2012*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University.

Dorward, C., Kassi, N., Chiu, C., Mullinix, K. 2015. *Yukon Food System Design and Planning Project: Our Food Security Today and Tomorrow in Carcross/Tagish First Nation*. Report prepared in partnership with the Arctic Institute for Community Based Research and the Carcross/Tagish First Nation. Institute for Sustainable Food Systems, Kwantlen Polytechnic University.

Polasub, W. Chiu, C. and K. Mullinix. 2015. *Yukon Food System Design and Planning Project: Report on Agri-Food Industry Engagement*. Institute for Sustainable Food Systems, Kwantlen Polytechnic University.